Gases Japan TC Chapter and Facilities Japan TC Chapter Joint Meeting
Meeting Summary and Minutes
SEMI Japan Standards Summer 2016 Meetings
June 24, 2016, 15:00-17:00
SEMI Japan, Tokyo, Japan

TC Chapter Announcements

Gases Japan TC Chapter:
SEMI Japan Standards Winter 2016 Meetings
Tuesday, December 13, 2016, 13:00-15:00
SEMICON Japan 2016, SEMI Japan, Tokyo, Japan

Facilities Japan TC Chapter:
SEMI Japan Standards Summer 2016 Meetings
Tuesday, December 13, 2016, 13:00-15:00
SEMICON Japan 2016, SEMI Japan, Tokyo, Japan

Table 1 Meeting Attendees

Co-Chairs of Gases Japan TC Chapter: Hiromichi Enami (Hitachi High Technologies), Isao Suzuki (MKS Japan)
Co-Chairs of Facilities Japan TC Chapter: Hiromichi Enami (Hitachi High Technologies), Isao Suzuki (MKS Japan)
SEMI Staff: Naoko Tejima (SEMI Japan)

<table>
<thead>
<tr>
<th>Company</th>
<th>Last</th>
<th>First</th>
<th>Company</th>
<th>Last</th>
<th>First</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hitachi High Technologies</td>
<td>Enami</td>
<td>Hiromichi</td>
<td>Fujikin</td>
<td>Kitano</td>
<td>Masashi</td>
</tr>
<tr>
<td>Tri Chemical Laboratories Inc.</td>
<td>Hiraki</td>
<td>Tadaaki</td>
<td>Fujikin</td>
<td>Machii</td>
<td>Yoshifumi</td>
</tr>
<tr>
<td>Fujikin</td>
<td>Hirose</td>
<td>Takashi</td>
<td>HORIBA STEC</td>
<td>Shimizu</td>
<td>Tetsuo</td>
</tr>
<tr>
<td>Hitachi Metals</td>
<td>Jinbo</td>
<td>Katsuhiko</td>
<td>MKS Japan</td>
<td>Suzuki</td>
<td>Isao</td>
</tr>
<tr>
<td>HORIBA STEC</td>
<td>Isobe</td>
<td>Yasuhiro</td>
<td>SEMI Japan</td>
<td>Naoko</td>
<td>Tejima</td>
</tr>
</tbody>
</table>

* alphabetical order by last name

Table 2 Leadership Changes

Gases Japan TC Chapter
None.

Facilities Japan TC Chapter
None.

Table 3 Ballot Results

Gases Japan TC Chapter
None.

Facilities Japan TC Chapter
None.
Table 4 Authorized Activities
Gases Japan TC Chapter
None.

Facilities Japan TC Chapter
None.

NOTE 1: SNARFs and TFOFs are available for review on the SEMI Web site at:
http://downloads.semi.org/web/wstdsbal.nsf/TFOFSNARF

Table 5 Authorized Ballots
Gases Japan TC Chapter
None.

Facilities Japan TC Chapter
None.

Table 6 New Action Items

<table>
<thead>
<tr>
<th>Item #</th>
<th>Assigned to</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas160624-1</td>
<td>SEMI Staff</td>
<td>To reply to IP Inquiry from AIST</td>
</tr>
<tr>
<td>Gas160624-2</td>
<td>SEMI Staff</td>
<td>To inform members how to get the newsletter from HQ “Global Update”</td>
</tr>
<tr>
<td>Gas160624-3</td>
<td>SEMI Staff</td>
<td>To check why doc. #5155 was rejected</td>
</tr>
</tbody>
</table>

Facilities Japan TC Chapter
None.

Table 7 Previous Meeting Action Items
Gases Japan TC Chapter
None.

Facilities Japan TC Chapter
None.

[Common Part 1]

1 Welcome, Reminders, and Introductions
Isao Suzuki, committee co-chair, called the meeting to order at 15:00. The meeting reminders on antitrust issues, intellectual property issues and holding meetings with international attendance were reviewed. Attendees introduced themselves.

2 Review of Previous Meeting Minutes
The TC Chapter reviewed the minutes of the previous meeting.

Motion: To approve the minutes of the previous meeting as written.

By / 2nd: Hiromichi Enami (Hitachi High Technologies) / Tetsuo Shimizu (HORIBA STEC)

Discussion: None

Vote: 8 in favor and 0 opposed. Motion passed.

Attachment: 01_JA_G+F_Previous_Mtg_Minutes_160624
3 SEMI Staff Report
Naoko Tejima gave the SEMI staff report. This report included SEMI Global 2016 Calendar of Events, Global Standards Meeting Schedule, 2016 Critical Dates for SEMI Standards Ballots, A&R Ballot Review, SEMI Standards Publication, PPT Template Updates, JRSC Topics, SEMI TSUSHIN Information and Contact Information.
Attachment: 02_SEMI_Staff_Report_160624

4 Liaison Reports
4.1 Facilities North America TC Chapter
Naoko Tejima reported for the Facilities North America TC Chapter. This report included Leadership, Current Committee Organization, Meeting Information, Task Force Reports and Contact Information
Attachment: 03_NA_F+G_Liaison_Report_160624

4.2 Gases North America TC Chapter
Naoko Tejima reported for the Gases North America TC Chapter. This report included Leadership, Current Committee Organization, Meeting Information, Ballot Review Summary, New Activities, Upcoming Ballots, Task Force Reports, and Contact Information.
Attachment: 03_NA_F+G_Liaison_Report_160624

4.3 Gases Europe TC Chapter Report
Naoko Tejima reported for the Gases EU TC Chapter. This report included Leadership, Current Committee Organization, Meeting Information, Previous Meeting Information (October 8, 2015, SEMICON Europa), New Activities, Three-year SNARF review, Ballots to be issued for adjudication at SEMICON Europa 2016 and Contact Information.
Attachment: 04_EU_G+L_Liaison_Report_160624

4.4 Facilities Korea TC Chapter Report
No report was provided.

[Gases Japan TC Chapter Part]

5 Subcommittee and Task Force Reports
5.1 Gas Panel and Metal Seal Test Methods Task Force
Yoshifumi Machii reported for the Gas Panel and Metal Seal Test Methods Task Force that there were not particular activities.

5.2 5-year-review Task Force
Yoshifumi Machii reported for the 5-year-review Task Force that there were not particular activities.

5.3 Live Gas Flow Rate Task Force
Tetsuo Shimizu reported for the Live Gas Flow Rate Task Force. The Task Force met earlier in the day. Of note:

• Activities
  ✓ Questionnaire survey for MFC users, MFC makers and MFC related users.
  ✓ Planning round robin test between MFC makers with critical nozzle.
  ✓ National measurement institute of Japan (NMIJ) is preparing critical nozzle.

• Plan

• Inquiry about IP from AIST
Action Item: SEMI to reply to AIST about IP
Attachment: 05_Inquiry_about_IP_from_AIST_160624
Attachment: 06_SEMI’s Reply to Inquiry of AIST_160624
6 Old Business
6.1 Previous Meeting Action Items
Naoko Tejima reviewed the previous meeting action items.

Table 8 Previous Meeting Actions Items
None.

7 New Business
None.

[Facilities Japan TC Chapter Part]
8 Task Force Reports
8.1 F1 Revision Task Force
Yoshifumi Machii reported for the F1 Revision Task Force that there were not particular activities.

9 Old Business
9.1 Previous Meeting Action Items
Naoko Tejima reviewed the previous meeting action items.

Table 9 Previous Meeting Actions Items
None.

10 New Business
None.

[Common Part 2]
11 Action Item Review
11.1 New Action Items
Naoko Tejima reviewed the new action items. These can be found in the New Action Items table at the beginning of these minutes.

12 Next Meeting and Adjournment
The next meeting of the Gases Japan TC Chapter is scheduled during SEMICON Japan 2016 and detail information is TBA.
The next meeting of the Facilities Japan TC Chapter is scheduled during SEMICON Japan 2016 and detail information is TBA.
See http://www.semi.org/en/events for the current list of meeting schedules.
Having no further business, a motion was made to adjourn. Adjournment was at 17:00.
Table 10 Index of Available Attachments #1

<table>
<thead>
<tr>
<th>#</th>
<th>Title</th>
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<tbody>
<tr>
<td>1</td>
<td>JA_G+F_Previous_Mtg_Minutes_160624</td>
</tr>
<tr>
<td>2</td>
<td>SEMI_Staff_Report_160624</td>
</tr>
<tr>
<td>3</td>
<td>NA_F+G_Liaison_Report_160624</td>
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<tr>
<td>4</td>
<td>EU_G+L_Liaison_Report_160624</td>
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<tr>
<td>5</td>
<td>Inquiry_about_IP_from_AIST_160624</td>
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<tr>
<td>6</td>
<td>SEMI’s Reply to Inquiry of AIST_160624</td>
</tr>
</tbody>
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#1 Due to file size and delivery issues, attachments must be downloaded separately. A .zip file containing all attachments for these minutes is available at www.semi.org. For additional information or to obtain individual attachments, please contact Naoko TEJIMA at the contact information above.